

Converting Colors

YIQ(120.3810, -68.9020,
-50.8700)

Have a look what the booklet for
YIQ(120.3810, -68.9020, -50.8700)
contains.

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Color

**YIQ(120.3810, -68.9020,
-50.8700)**

Conversions

Conversions Part 1

Format	Color
Hex	17AC6E
RGB	23, 172, 110
RGB Percent	9%, 67%, 43%
CMY	0.9102, 0.3252, 0.5688
CMYK	0.87, 0.00, 0.36, 0.33
HSL	155°, 77%, 38%
HSV	155°, 87%, 67%
XYZ	17.9268, 30.8343, 19.7422
YIQ	120.3810, -68.9020, -50.8700

Conversions

Conversions Part 2

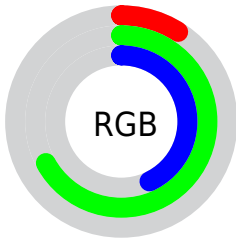
Format	Color
RYB	23, 117, 172
Decimal	1551470
CIELab	62.37, -51.05, 21.92
CIElCh	62, 55.555, 156.764
Yxy	30.8343, 0.2617, 0.4501
Android (android.graphics.Color)	4279741550 (0xFF17AC6E)
YUV	120.3810, -5.1178, -85.4031
Hunter-Lab	55.5287, -39.5485, 17.7906

Details

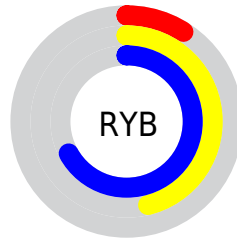
The YIQ color **120.3810, -68.9020, -50.8700** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **74.6190, 68.9020, 50.8700**, and the grayscale version is **120.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **181.6060, -56.2940, -48.0860**, and **76.3340, -52.3520, -42.4320** is the 20% darker color. If you saturate the color by 10%, you get **114.5000, -76.7870, -56.6510**, and if you desaturate by 10%, it is **126.2620, -61.0170, -45.0890**.

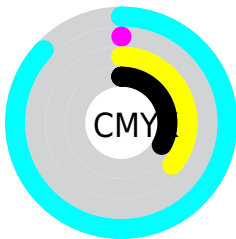
Distribution



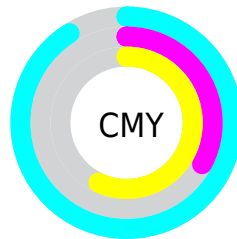
- Red (9%)
- Green (67%)
- Blue (43%)



- Red (9%)
- Yellow (46%)
- Blue (67%)



- Cyan (87%)
- Magenta (0%)
- Yellow (36%)
- Black (33%)





- Cyan (91%)
- Magenta (33%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 120.3810, -68.9020, -50.8700 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 120.3810, -68.9020, -50.8700 by changing the saturation by 10% instead.


 120.3810,
-68.9020, -50.8700

 120.3810,
-68.9020, -50.8700


 255.0000, -0.0000,
-0.0000


 94.8050, -67.1600,
-49.4000


 182.1930,
-56.5690, -48.6090


 76.3340, -52.3520,
-42.4320


 209.5030,
-54.5060, -47.4500


 59.0370, -38.0940,
-36.5100


 221.6650,
-45.6140, -32.3820

 41.8540, -24.1570,
-30.2770

 233.9410,
-37.0430, -17.0030

 27.0020, -12.6500,
-24.0580

 243.9370,
-22.0520, -7.8440

 8.8050, -4.1250,
-7.8450

 252.9070, -4.1720,

 0.0000, 0.0000,

-1.4840

0.0000

■ 120.3810,
-68.9020, -50.8700

■ 120.3810,
-68.9020, -50.8700

■ 114.5000,
-76.7870, -56.6510

■ 126.2620,
-61.0170, -45.0890

■ 112.3640,
-79.4000, -58.8560

■ 132.1430,
-53.1320, -39.3080

■ 138.3230,
-44.6510, -33.3150

■ 144.3180,
-37.0870, -27.2230

■ 150.1990,
-29.2020, -21.4420

■ 156.0800,
-21.3170, -15.6610

■ 161.9610,
-13.4320, -9.8800

■ 168.1410, -4.9510,
-3.8870

■ 174.0220, 2.9340,
1.8940

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



138.8780, 1.6580, -41.0780



120.3810, -68.9020, -50.8700



121.0790, -99.8060, -41.4540

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



120.3810, -68.9020, -50.8700



139.7250, -79.0920, 12.6840



148.4860, 78.2610, 18.9090

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



120.3810, -68.9020, -50.8700



74.6190, 68.9020, 50.8700

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



150.4690, 68.9040, 39.8160



120.3810, -68.9020, -50.8700



154.5230, -10.2770, 37.5870

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



120.3810, -68.9020, -50.8700



124.9160, -123.0110, -11.8670



154.1730, 37.8630, 46.2070



147.4620, 68.5000, -7.9480

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



120.3810, -68.9020, -50.8700



124.2540, -110.1240, -30.6680



154.1730, 37.8630, 46.2070



149.3430, 77.5260, 26.7260

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



120.3810, -68.9020, -50.8700



203.9220, -26.8640, -19.7600



129.0010, -4.0230, -64.7830



99.9390, -16.3660, -11.7740



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



120.3810, -68.9020, -50.8700



146.4220, -103.6510, -76.4110



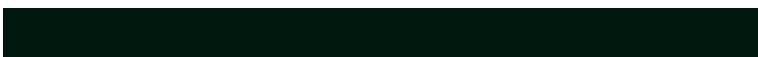
120.4050, -85.5040, -25.3120



83.8530, -4.0800, -3.1520



98.0820, -69.4980, -51.0820



14.9830, -10.4980, -7.9860

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



74.6190, 68.9020, 50.8700



77.5780, 103.6510, 76.4110



74.5950, 85.5040, 25.3120



81.1470, 4.0800, 3.1520



52.0320, 69.1770, 51.3930



8.0170, 10.4980, 7.9860

Previews

White Background



This preview shows how the YIQ color 120.3810, -68.9020, -50.8700 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 120.3810, -68.9020, -50.8700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

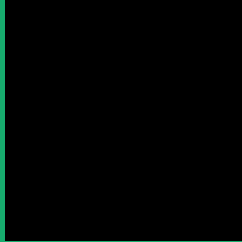
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 120.3810, -68.9020, -50.8700 Background



This preview shows how black text looks on a background with the YIQ color 120.3810, -68.9020, -50.8700.



This preview shows how white text looks on a background with the YIQ color 120.3810, -68.9020, -50.8700.

-50.8700.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

120.3810, -68.9020, -50.8700

Protanopia

147.8880, 23.2020, -13.0060

Deuteranopia

150.0770, 27.4640, -2.1360



Tritanopia

135.5820, -63.7730, -17.1570

Trichromacy



Original Color

120.3810, -68.9020, -50.8700



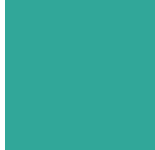
Protanomaly

137.7910, -10.6780, -26.7580



Deuteranomaly

139.2740, -7.4240, -19.6480



Tritanomaly

130.1220, -65.8340, -29.3700

Monochromacy



Original Color

120.3810, -68.9020, -50.8700



Achromatopsia

120.0000, -0.0000, -0.0000



Achromatomaly

120.2320, -24.8010, -18.6010

CSS Examples

Text

The CSS property to change the color of the text to YIQ 120.3810, -68.9020, -50.8700 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(23, 172, 110)` looks like.

```
.text, #text, p{  
    color:rgb(23, 172, 110)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(23, 172, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 172, 110) }
```

Border

The CSS property to change the border of an element to YIQ 120.3810, -68.9020, -50.8700 is called "border".

The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(23, 172, 110) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(23, 172, 110) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(23, 172, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 172, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 172, 110);  
box-shadow:4px 4px 4px 4px rgb(23, 172,  
110) }
```

Background

The CSS property to change the background color of an element to YIQ 120.3810, -68.9020, -50.8700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 172, 110) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(23, 172,  
110) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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